

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **05-078631** (71)Applicant : **HINO MOTORS LTD**
(22)Date of filing : **15.03.1993** (72)Inventor : **SUZUKI OSAMI**
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(54) BRAKE DISC MATERIAL

(57)Abstract:

PURPOSE: To improve heat resistance by adding a specific amount of vanadium, molybdenum, carbon, silicon and manganese to cast steel.

CONSTITUTION: The material of a brake disc 1 is formed into a casting product where vanadium 0.1-0.3%, molybdenum 0.3-0.6%, carbon 0.3-0.35%, silicon 0.3-0.6% and manganese 1.2-1.4% are added to cast steel. It is thus possible to improve heat resistance (thermal fatigue characteristics) by approx. 3 times as much as a conventional material although its wear resistance is almost the same as a conventional material, remarkably improving the service life of the brake disc 1.

